CLAIMS

- 1. A resin composition based on crystalline polypropylene, comprising
- (a) 3 65 % by weight of a component soluble in paraxylene of 23% ,
- (b) 35 97 % by weight of a component soluble in paraxylene of 135 $^{\circ}$ C and insoluble in paraxylene of 23 $^{\circ}$ C and
- (c) 0 30 % by weight of a component insoluble in paraxylene of 135 $^{\circ}\mathrm{C}$,

wherein

the component (a) soluble in paraxylene of 23 $^{\circ}$ C is composed substantially of an elastomeric constituent (a1) having a content of styrene or its derivative in the range of 0 - 35 $^{\circ}$ by weight and an intrinsic viscosity [η] determined in decalin at 135 $^{\circ}$ C in the range of 0.1 - 5 dl/g,

the component (b) soluble in paraxylene of 135%insoluble in paraxylene of 23 and $^{\circ}$ is composed substantially of a crystalline polypropylene constituent (b1) having an isotactic pentad proportion (mmmm) of 97 % or higher, a molecular weight distribution expressed bу weight-average molecular weight/number-average molecular weight (Mw/Mn), determined by gel permeation chromatography (GPC), of 6 or higher and a molecular weight distribution expressed by z-average molecular weight/weight-average molecular weight (Mz/Mw) of 6 or higher and

the component (c) insoluble in paraxylene of 135%

is composed substantially of a filler (c1).

- A resin composition based on crystalline polypropylene, comprising
- (a) 20 35 % by weight of a component soluble in paraxylene of 23% ,
- (b) 43 65 % by weight of a component soluble in paraxylene of 135 $^{\circ}{\rm C}$ and insoluble in paraxylene of 23 $^{\circ}{\rm C}$ and
- (c) 15 22 % by weight of a component insoluble in paraxylene of 135 $^{\circ}\mathrm{C}$,

wherein

the component (a) soluble in paraxylene of 23 $^{\circ}$ C is composed substantially of an elastomeric constituent (al) having a content of styrene or its derivative in the range of 0 - 35 $^{\circ}$ by weight and an intrinsic viscosity [η] determined in decalin at 135 $^{\circ}$ C in the range of 0.1 - 5 dl/g,

the component (b) soluble in paraxylene of 135%and insoluble in paraxylene of 23 °C is composed substantially of a crystalline polypropylene constituent (b1) having an isotactic pentad proportion (mmmm) of 98 % or higher, a molecular weight distribution expressed bу weight-average molecular weight/number-average molecular weight (Mw/Mn), determined by gel permeation chromatography (GPC), of 9 or higher and a molecular weight distribution expressed by z-average molecular weight/weight-average molecular weight (Mz/Mw) of 8 or higher and

the component (c) insoluble in paraxylene of 135% is composed substantially of powdery talc having an

average particle size in the range of 1 - 5 μ m.

- 3. A resin composition based on crystalline polypropylene as claimed in Claim 1 or 2, wherein the elastomeric constituent (a1) comprises at least one elastomeric constituent selected from the group consisting of
 - (A-1) an elastomeric constituent, which may or may not be hydrogenated, based on styrene having a styrene content in the range of 10 - 70 % by weight and a conjugated diene content in the range of 30 - 90 % by weight;
 - (A-2) an ethylene/ α -olefin random copolymer constituent; and
 - (A-3) an ethylene/ α -olefin/non-conjugated polyene random copolymer constituent.
- 4. A resin composition based on crystalline polypropylene as claimed in Claim 1 or 2, wherein the elastomeric constituent (al) comprises at least one elastomer selected from the group consisting of
 - (A-1) an elastomeric constituent, which may or may not be hydrogenated, based on styrene having 10 - 40 % by weight of a constituent polymer block based on styrene and 60 - 90 % by weight of a constituent polymer block based on a conjugated diene;
 - (A-2) an ethylene/ α -olefin random copolymer constituent; and
 - (A-3) an ethylene/ α -olefin/non-conjugated polyene random copolymer constituent.
- 5. A resin composition based on crystalline

polypropylene as claimed in Claim 1 or 2, wherein the elastomeric constituent (al) comprises at least one elastomeric constituent selected from the group consisting of

- (A-1) an elastomeric constituent, which may or may not be hydrogenated, based on styrene having 10 - 70 % by weight of a constituent polymer block based on styrene and 30 - 90 % by weight of a constituent polymer block based on a conjugated diene;
- (A-2) an ethylene/ α -olefin random copolymer constituent;
- (A-3) an ethylene/ α -olefin/non-conjugated polyene random copolymer constituent; and
- (Da) propylene/ethylene copolymer part in a crystalline block-copolymer component based on propylene (D).
- 6. based Α resin composition on crystalline polypropylene as claimed in any one of Claims 1 to 5, wherein the crystalline polypropylene constituent (b1) comprises at least one crystalline polypropylene constituent selected from the group consisting of
 - (B-1)a crystalline polypropylene constituent which comprises a high molecular weight polypropylene product having an intrinsic viscosity $[\eta]$, determined in decalin at 135 $^{\circ}$ C, of 4 - 13 dl/g in an amount in the range of 1 - 35 % by weight and which has a flow rate (MFR) of the entire polypropylene constituent, determined 230℃

under a load of 2160 g, in the range of 1 - 100 g/10 min., a propylene content in the range of 95 - 100 mole % and an ethylene content in the range of 0 - 5 mole %;

- (B-2) crystalline polypropylene constituents other than that of the above (B-1); and
- (Db) propylene homopolymer part in the propylenebased crystalline block-copolymer component (D).
- 7. Α resin composition based on crystalline polypropylene as claimed in any one of Claims 1 to 6, wherein the crystalline polypropylene constituent (b1) is composed substantially of a crystalline polypropylene product which comprises a constituent component having a weight-average molecular weight (Mw) for the 121℃ elution fraction, determined by cross fractionation chromatograph (CFC), of 3.5×10^5 or higher.
- 8. Α resin composition based on crystalline polypropylene as claimed in any one of Claims 1 to 6, wherein the crystalline polypropylene constituent (b1) is composed substantially of a crystalline polypropylene product which comprises a constituent component having a weight-average molecular weight (Mw) for the 121° elution fraction, determined by cross fractionation chromatograph (CFC), of 3.5×10^5 or higher and an ethylene content for the highest molecular fraction (mM), determined by gel permeation chromatography (GPC), of 45 % by weight or lower.
- 9. A resin composition based on crystalline polypropylene as claimed in any one of Claims 1 to 8,

wherein the crystalline polypropylene constituent (b1) is composed substantially of a crystalline polypropylene product which has a melt flow rate (MFR), determined at 230 $^{\circ}$ C under a load of 2160 g, in the range of 5 - 400 g/10 min.

- 10. A resin composition based on crystalline polypropylene as claimed in any one of Claims 1 to 8, wherein the crystalline polypropylene constituent (b1) is composed substantially of a crystalline polypropylene product which has a melt flow rate (MFR), determined at 230 $^{\circ}$ C under a load of 2160 g, in the range of 30 150 g/10 min.
- 11. A resin composition based on crystalline polypropylene as claimed in any one of Claims 1 to 10, which comprises
- (A) at least one elastomeric component selected from the group consisting of
 - (A-1) styrene-based elastomeric constituent,
 which may or may not be hydrogenated,
 having a styrene content in the range of
 10 70 % by weight and a conjugated
 diene content in the range of 30 90 %
 by weight;
 - (A-2) an ethylene/ α -olefin random copolymer constituent; and
 - (A-3) an ethylene/ α -olefin/non-conjugated polyene random copolymer constituent;
- (B) at least one crystalline polypropylene constituent selected from the group consisting of
 - (B-1) a crystalline polypropylene constituent

which comprises a high molecular weight polypropylene product having an intrinsic viscosity [η], determined in decalin at 135°C, of 4 - 13 dl/g in an amount in the range of 1 - 35 % by weight and which has a melt flow rate (MFR) of the entire polypropylene constituent, determined at 230 °C under a load of 2160 g, in the range of 1 - 100 g/10 min., a propylene content in the range of 95 - 100 mole % and an ethylene content in the range of 0 - 5 mole % and

- (B-2) a crystalline polypropylene constituent other than the above (B-1);
- (C) a filler component; and
- (D) a crystalline block-copolymer component based on propylene comprising
 - (Da) a propylene/ethylene copolymer part and
 - (Db) a propylene homopolymer part

and containing, with respect to the total weight of the copolymer component, 5-50 % by weight of the 23 °C paraxylene-soluble component (a) which has an intrinsic viscosity [η], determined in decalin at 135°C, of 2-10 dl/g and an ethylene content of 15-60 mole %,

wherein the propylene/ethylene copolymer part (Da) is substantially the 23% paraxylene-soluble component (e) and

the propylene homopolymer part (Db) is substantially the component (b) soluble in 135%

paraxylene and insoluble in 23% paraxylene and having a melt flow rate (MFR), determined at 230 % under a load of 2160 g, of 10 - 500 g/10 min. and

wherein the weight ratio of (A)/(B)/(C)/(D) is in the range of (3 - 99)/(1 - 97)/(0 - 30)/(0 - 96).

- 12. A resin composition based on crystalline polypropylene as claimed in Claim 11, wherein the weight ratio of (A)/(B)/(C)/(D) is in the range of (3-40)/(1-50)/(0-30)/(10-96).
- 13. A resin composition based on crystalline polypropylene as claimed in Claim 11 or 12, wherein the crystalline polypropylene component (B) has an isotactic pentad proportion (mmmm) of 97 % or higher.
- 14. A resin composition based on crystalline polypropylene as claimed in any one of Claims 11 to 13, wherein the crystalline polypropylene component (B) has a molecular weight distribution expressed by weight-average molecular weight/number-average molecular weight (Mw/Mn), determined by a gel permeation chromatography (GPC), of 6 or higher and a molecular weight distribution expressed by z-average molecular weight/weight-average molecular weight (Mz/Mw) of 6 or higher.